

In the Claims

Claims 1-65 (canceled).

66 (new): A method for nucleic acid extraction comprising contacting a blood sample with a composition comprising aurintricarboxylic acid, a DNase and an enzyme that will break down a nuclear membrane.

67 (new): The method according to claim 66, wherein said composition further comprises streptokinase and plasminogen which are combined no more than 15 minutes before or while contacting the blood sample with said composition comprising aurintricarboxylic acid, a DNase and an enzyme that will break down a nuclear membrane.

68 (new): The method according to claim 66, wherein said DNase and said enzyme which breaks down a nuclear membrane are exogenously added and whereby DNA digestion takes place.

69 (new): The method according to claim 67, wherein said DNase and said enzyme which breaks down a nuclear membrane are exogenously added and whereby DNA digestion takes place.

70 (new): The method according to claim 66, wherein the concentration of aurintricarboxylic acid is between 11 and 200 mM.

71 (new): The method according to claim 67, wherein the concentration of aurintricarboxylic acid is between 11 and 200 mM.

72 (new): The method according to claim 68, wherein the concentration of aurintricarboxylic acid is between 11 and 200 mM.

73 (new): The method according to claim 69, wherein the concentration of aurintricarboxylic acid is between 11 and 200 mM.

74 (new): The method according to claim 66, wherein said DNase is an endonuclease.

75 (new): The method according to claim 67, wherein said DNase is an endonuclease.

76 (new): The method according to claim 68, wherein said DNase is an endonuclease.

77 (new): The method according to claim 69, wherein said DNase is an endonuclease.

78 (new): The method according to claim 70, wherein said DNase is an endonuclease.

79 (new): The method according to claim 66, wherein said enzyme that will break down a nuclear membrane is Phospholipase A₂.

80 (new): The method according to claim 67, wherein said enzyme that will break down a nuclear membrane is Phospholipase A₂.

81 (new): The method according to claim 68, wherein said enzyme that will break down a nuclear membrane is Phospholipase A₂.

82 (new): The method according to claim 69, wherein said enzyme that will break down a nuclear membrane is Phospholipase A₂.

83 (new): The method according to claim 70, wherein said enzyme that will break down a nuclear membrane is Phospholipase A₂.

84 (new): The method according to claim 71, wherein said enzyme that will break down a nuclear membrane is Phospholipase A₂.

85 (new): The method according to claim 66, wherein said composition further comprises methyl 6-O-(N-heptylcarbamoyl)- α -D-glucopyranoside.

86 (new): The method according to claim 67, wherein said composition further comprises methyl 6-O-(N-heptylcarbamoyl)- α -D-glucopyranoside.

87 (new): The method according to claim 68, wherein said composition further comprises methyl 6-O-(N-heptylcarbamoyl)- α -D-glucopyranoside.

88 (new): The method according to claim 69, wherein said composition further comprises methyl 6-O-(N-heptylcarbamoyl)- α -D-glucopyranoside.

89 (new): The method according to claim 70, wherein said composition further comprises methyl 6-O-(N-heptylcarbamoyl)- α -D-glucopyranoside.

90 (new): The method according to claim 71, wherein said composition further comprises methyl 6-O-(N-heptylcarbamoyl)- α -D-glucopyranoside.

91 (new): The method according to claim 72, wherein said composition further comprises methyl 6-O-(N-heptylcarbamoyl)- α -D-glucopyranoside.

92 (new): The method according to claim 66, wherein said composition further comprises saponin.

93 (new): The method according to claim 67, wherein said composition further comprises saponin.

94 (new): The method according to claim 68, wherein said composition further comprises saponin.

95 (new): The method according to claim 69, wherein said composition further comprises saponin.

96 (new): The method according to claim 70, wherein said composition further comprises saponin.

97 (new): The method according to claim 71, wherein said composition further comprises saponin.

98 (new): The method according to claim 72, wherein said composition further comprises saponin.

99 (new): The method according to claim 73, wherein said composition further comprises saponin.

100 (new): The method according to claim 66, wherein said composition further comprises potassium phosphate.

101 (new): The method according to claim 67, wherein said composition further comprises potassium phosphate.

102 (new): The method according to claim 68, wherein said composition further comprises potassium phosphate.

103 (new): The method according to claim 69, wherein said composition further comprises potassium phosphate.

104 (new): The method according to claim 70, wherein said composition further comprises potassium phosphate.

105 (new): The method according to claim 71, wherein said composition further comprises potassium phosphate.

106 (new): The method according to claim 72, wherein said composition further comprises potassium phosphate.

107 (new): The method according to claim 73, wherein said composition further comprises potassium phosphate.

108 (new): The method according to claim 74, wherein said composition further comprises potassium phosphate.

109 (new): The method according to claim 66, wherein said composition further comprises magnesium chloride.

110 (new): The method according to claim 67, wherein said composition further comprises magnesium chloride.

111 (new): The method according to claim 68, wherein said composition further comprises magnesium chloride.

112 (new): The method according to claim 69, wherein said composition further comprises magnesium chloride.

113 (new): The method according to claim 70, wherein said composition further comprises magnesium chloride.

114 (new): The method according to claim 71, wherein said composition further comprises magnesium chloride.

115 (new): The method according to claim 72, wherein said composition further comprises magnesium chloride.

116 (new): The method according to claim 73, wherein said composition further comprises magnesium chloride.

117 (new): The method according to claim 74, wherein said composition further comprises magnesium chloride.

118 (new): The method according to claim 75, wherein said composition further comprises magnesium chloride.

119 (new): The method according to claim 66, wherein the pH of the sample is brought to about 7.8.

120 (new): The method according to claim 67, wherein the pH of the sample is brought to about 7.8.

121 (new): The method according to claim 68, wherein the pH of the sample is brought to about 7.8.

122 (new): The method according to claim 69, wherein the pH of the sample is brought to about 7.8.

123 (new): The method according to claim 70, wherein the pH of the sample is brought to about 7.8.

124 (new): The method according to claim 71, wherein the pH of the sample is brought to about 7.8.

125 (new): The method according to claim 72, wherein the pH of the sample is brought to about 7.8.

126 (new): The method according to claim 73, wherein the pH of the sample is brought to about 7.8.

127 (new): The method according to claim 74, wherein the pH of the sample is brought to about 7.8.

128 (new): The method according to claim 75, wherein the pH of the sample is brought to about 7.8.

129 (new): The method according to claim 76, wherein the pH of the sample is brought to about 7.8.

130 (new): The method according to claim 66, wherein the method further comprises contacting the sample with urea and diethylenetriaminepentaacetate (DTPA).

131 (new): The method according to claim 66, wherein the composition further comprises proteinase K.

132 (new): The method according to claim 66, further comprising isolating the nucleic acid from said contacted blood sample.